

or we cannot hope to attract and keep the best men in the teaching profession, nor can we enable those already in it to represent the intellectual and moral interests of the community as those interests should be represented. A capital sum of five million dollars, yielding $4\frac{1}{2}$ per cent. per annum, is required at the present time to establish a proper rate of compensation for the teaching staff of Columbia University, without adding a single new instructor to that staff. This need is so imperative and the public interests affected by it are so large and so important, that the mere statement of it ought to bring us the needed sum, great though it is, from the men and women who are the large-minded possessors of wealth in this community.

SCIENTIFIC NOTES AND NEWS.

THE Nobel prize in medicine for 1906 will be divided between Professor Camillo Golgi (Pavia) and Professor Ramon y Cajal (Madrid).

THE Royal Society's medals have this year been adjudicated by the president and council as follows: the Copley medal to Professor Elias Metchnikoff for the importance of his work in zoology and in pathology; the Rumford medal to Professor Hugh Longbourne Callendar for his experimental work on heat; a Royal medal to Professor Alfred George Greenhill for his contributions to mathematics, especially the elliptic functions and their applications; a Royal medal to Dr. Dukinfield Henry Scott for his investigations and discoveries in connection with the structure and relationships of fossil plants; the Davy Medal to Professor Rudolf Fittig for his investigations in chemistry and especially for his work in lactones and acids; the Darwin medal to Professor Hugo de Vries on the ground of the significance and extent of his experimental investigations in heredity and variation; the Hughes medal to Mrs. W. E. Ayrton for her experimental investigations on the electric arc and also upon sand ripples. The medals will, as usual, be presented at the anniversary meeting on St. Andrew's Day (November 30).

LORD RAYLEIGH has been recommended for reelection as president of the Royal Society and the other officers will be the same as last year, except that the following new members of the council have been nominated: Lord Avebury, Sir Benjamin Baker, K.C.B., Dr. H. F. Baker, Prof. David Ferrier, Prof. Sydney J. Hickson, Dr. Alexander Scott, Prof. A. C. Seward, Prof. W. J. Sollas, Prof. E. H. Starling, Prof. Silvanus P. Thompson, and Dr. A. D. Waller.

A PORTRAIT of Dr. Henry M. Hurd, superintendent of the Johns Hopkins Hospital, was presented to the hospital by the medical staff at a dinner given in honor of Dr. Hurd on November 1. Dr. William H. Welch presided at the dinner and made the presentation speech, and speeches were also made by Dr. Ira Remsen and Dr. D. C. Gilman. The portrait, which is by Mr. Chase, will be hung in the library. Dr. Hurd sailed for Europe on November 5, where he will remain for about a year.

IN the early part of October the Yale Association of Japan gave a reception in honor of Professor G. T. Ladd, who is now in Tokyo.

PROFESSOR TH. W. RICHARDS, who is going to Berlin in the second half year as Harvard's representative in the annual exchange of professors, will give while there a course of lectures on the 'Fundamental constants of physical chemistry.'

PROFESSOR L. H. BAILEY, director of the College of Agriculture, Cornell University, was elected president of the Association of Agricultural Experiment Stations at its recent meeting at Baton Rouge.

MME. CURIE gave her inaugural lecture at the Sorbonne on November 5.

WE learn from *The American Anthropologist* that the title of honorary curator has been conferred by the Cincinnati Museum Association on Mr. Philip M. Hinkle, who has undertaken the care of its collections relating to American archeology. With him are associated Mr. Frederick W. Hinkle and Dr. G. B. Rhodes.

MR. ROBERT H. BAKER, M.A., for three years assistant to Professor Todd, in Amherst Col-

lege Observatory, has received an appointment as assistant in the astrophysical observatory at Allegheny, Pa.

DR. J. GUNNAR ANDERSON has been appointed director-general of the Geological Survey, of Sweden.

DR. ALFRED C. HADDON, of Cambridge University, gave a lecture before the American Ethnological Society at the American Museum of Natural History on November 15.

PROFESSOR CHARLES LANE POOR, of Columbia University, gave a public lecture under the auspices of the New York Academy of Sciences and the American Museum of Natural History, on November 19, on 'The Proposed New Astronomical Observatory and Nautical Museum for New York City.'

A COURSE of illustrated lectures on 'The Logical Evolution of Industries' is being given by Mr. Harlan I. Smith, of the American Museum of Natural History of New York, to the normal domestic art students at Pratt Institute, Brooklyn, during the school year 1906-7. The purpose of the course is to acquaint these prospective teachers of handwork with primitive arts and tools that they may more adequately instruct elementary school children in the simple forms of the industrial processes of modern life.

A PRIZE has been established for proficiency in mineralogy in the Sheffield Scientific School in memory of the late Professor Penfield. The prize, of \$25, is to be known as 'The Samuel Lewis Penfield Prize,' and is founded by a gift of \$500 from Mr. Morris B. Belknap, of Louisville, Ky., of the class of 1877.

THE statue of the late Principal Viriamu Jones, professor of physics and the first principal of the South Wales and Monmouthshire University College, has been temporarily placed, pending the completion of the new college buildings, at the City-hall, Cardiff.

DR. A. F. FOKKER, professor of hygiene and bacteriology at the University of Groningen, has died at the age of sixty-six years.

UNIVERSITY AND EDUCATIONAL NEWS.

THE daily papers report that the sum of \$500,000 has been offered to enlarge the uni-

versity at Louisville, if an equal sum is contributed from other sources.

At the meeting of the Philadelphia County Medical Society on November 7, Dr. S. Weir Mitchell announced that Andrew Carnegie will give the College of Physicians, Philadelphia, \$50,000 contingent on the college raising the sum of \$100,000. The money is to be used in the erection of a new building.

THE program of the Association of American Universities, which is meeting this week at Harvard University is as follows: Friday, November 23, 10 A.M., 'The Appointment and Obligations of Graduate Fellows.' Papers will be presented on behalf of Clark University, by Professor Hall; for the University of Wisconsin, by Professor Comstock. 2:30 P.M., 'The Exemption of Educational Institutions from Taxation.' Papers will be read on behalf of Harvard University, by President Eliot; for the University of Virginia, by Dr. J. W. Page. Saturday, November 24, 10 A.M., 'Should Men Bearing the Same Title in any Institution receive the Same Pay?' Papers will be presented on behalf of Stanford University, by President Jordan; for the University of Michigan, by Professor Hutchins.

THE National Association of Presidents of the State Universities, which met at Baton Rouge last week, unanimously adopted the report of the committee on the University of the United States recommending the establishment of a national university by the government at Washington.

At the Montana State School of Mines, Charles Henry Bowman, M.S., secretary of the faculty, has been elected president. Professor Theodore Simons has been elected professor of engineering design.

MR. T. D. A. COCKERELL, lecturer in entomology at the University of Colorado, has been promoted to a professorship of systematic zoology. At the same institution, Dr. Saul Epstein, Ph.D. (Zurich), has been promoted to an assistant professorship of mathematics.

MR. A. C. STEWARD, tutor of Emanuel College, has been elected to the professorship of botany at Cambridge University, vacant by the death of Professor Marshall Ward.